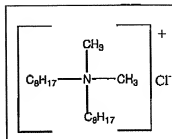


## BARDAC® LF BARDAC® LF-80

Quaternary Ammonium Compounds  
EPA Registered



Bardac LF and LF-80 are composed of twin chain dimethyl ammonium chloride. The dioctyl dimethyl structure provides a controlled foam biocide, exhibiting low, fast breaking foam with exceptional dynamic controlled foam performance. When used as an active ingredient in FIFRA<sup>1</sup> registered formulations such as hard surface disinfectants, sanitizers and/or certain types of water treatment formulations, these products have been found to provide superior biocidal action against a broad spectrum of microbial organisms such as: bacteria, fungi, viruses, and algae. This "third" generation quaternary ammonium compound delivers potent germicidal action in hard water and organic soil loads.

### Typical Chemical Composition

	<u>Bardac LF</u>	<u>Bardac LF-80</u>
<u>Active Ingredients</u>		
Dioctyl dimethyl ammonium chloride	50%	80%
<u>Inert Ingredients</u>		
Ethyl alcohol	10%	10%
Water	40%	10%

### Typical Properties

Appearance	Clear, pale yellow to straw liquid	Clear, pale yellow to straw liquid
Color (APHA)	200 Max.	250 Max.
pH (10% solution)	6.5-9.0	6.5-9.0
Flash Point (Setflash, °F)	109	109
Average Molecular Weight	312	312
Specific Gravity @ 25°C	0.93	0.90
Density in lbs./gal.	7.7	7.5
Freezing Point, °F	41	50

### Physical State

Clear, pale yellow to straw liquid with a mild odor. Congealing may occur during storage at low temperatures; this is reversible on warming with mixing.

<sup>1</sup> FIFRA – Federal Insecticide, Fungicide and Rodenticide Act

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# Lonza

## Solubility

Freely soluble in water, lower alcohols, ketones and glycols.

## Safety & Toxicology

Refer to Lonza Material Safety Data Sheet for this product.

<u>Regulatory</u>	<u>Bardac LF</u>	<u>Bardac LF-80</u>
EPA Registration No.:	6836-40	6836-50
CAS No.:	5538-94-3	5538-94-3

Bardac LF and Bardac LF-80 are listed in the United States Environmental Protection Agency TSCA Chemical Inventory list.

## Application

Bardac LF and LF-80 can be incorporated into a substantial number of EPA registered formulations. These formulations include but are not limited to: disinfectants, sanitizers, and industrial water treatment. For more information on Lonza's extensive portfolio of EPA registered formulations and our Supplemental Registration Program please call our Technical Service Hotline at (800) 365-TECH (8324).